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SRNL Exchange Metals

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Actinide Analytical Chemistry

May 27, 2021



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Metal Items (~10 g) – Ar box (>100 pm O₂, 50 ppm H₂O)

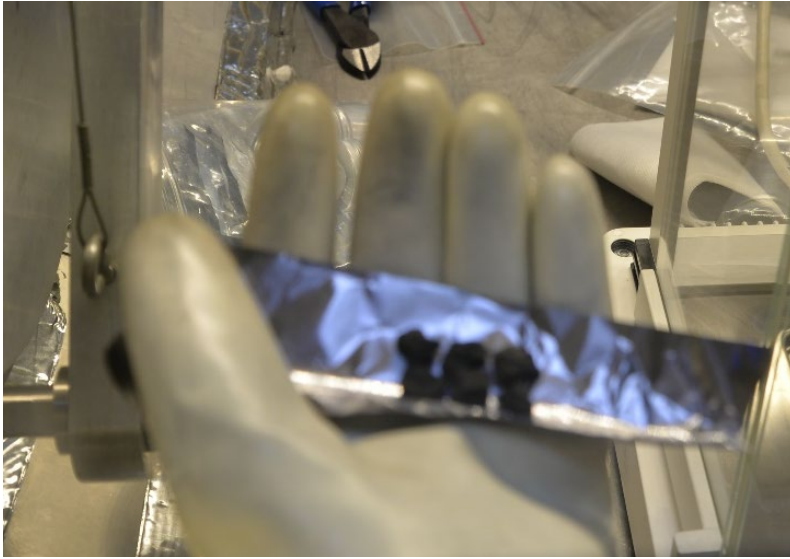


Above: Metal being wrapped in Ta foil. Samples are sitting in a weigh boat.

Below: Metal Items in weigh pan prior being wrapped in Ta Foil (note that for SRNL we are sending 2 pieces not 6). This picture is representative of the metal pieces.

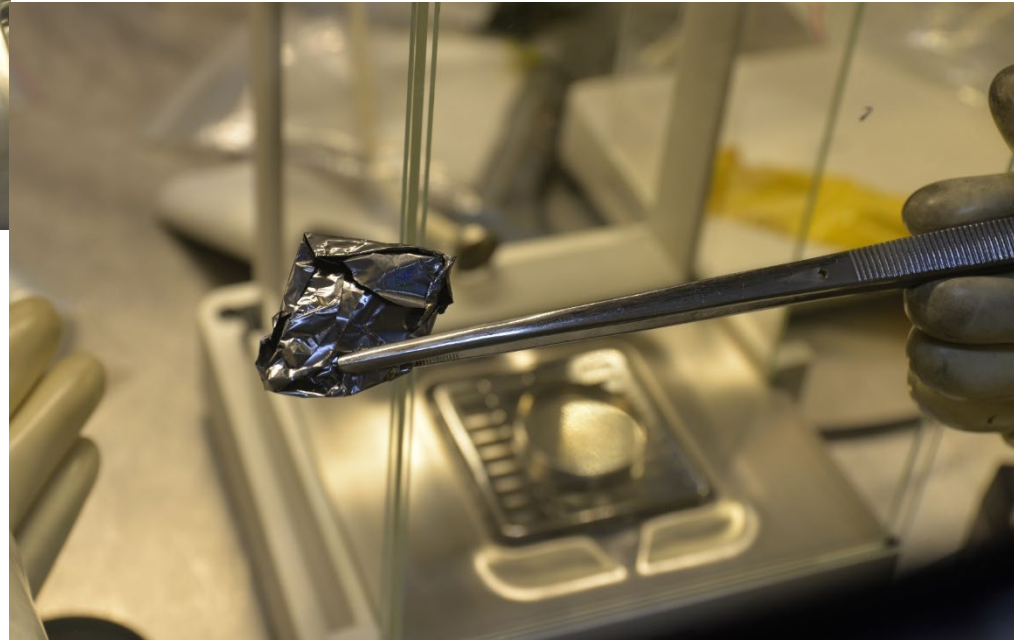


Packaging

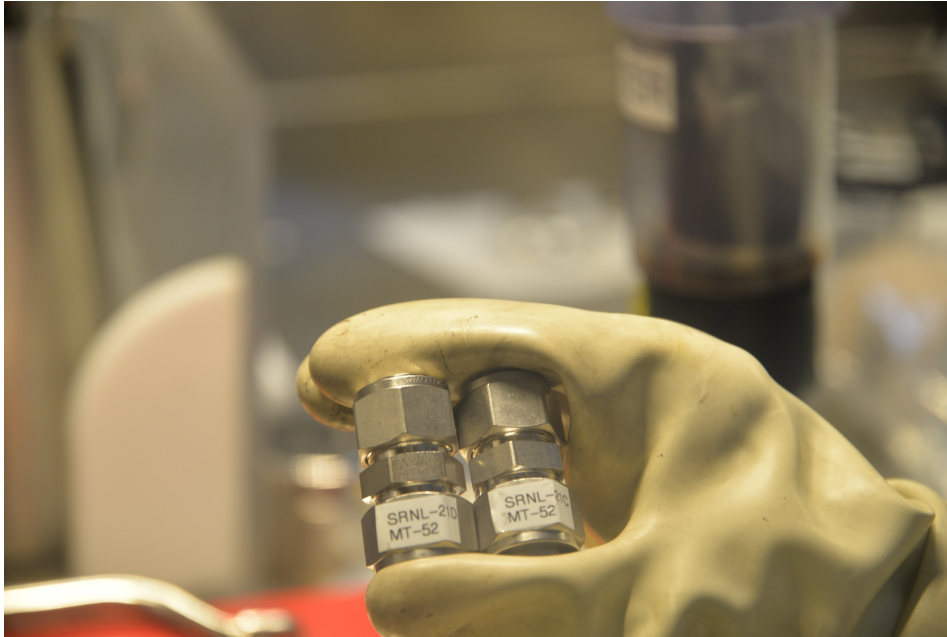


Above: Final wrapping of metal pieces into Ta foil. Note that all pieces are wrapped in one piece of foil. (In the SRNL case, it is one Pu piece in one piece of Ta foil).

Below: Metal Item in final wrapping configuration.



Packaging into Swagelok

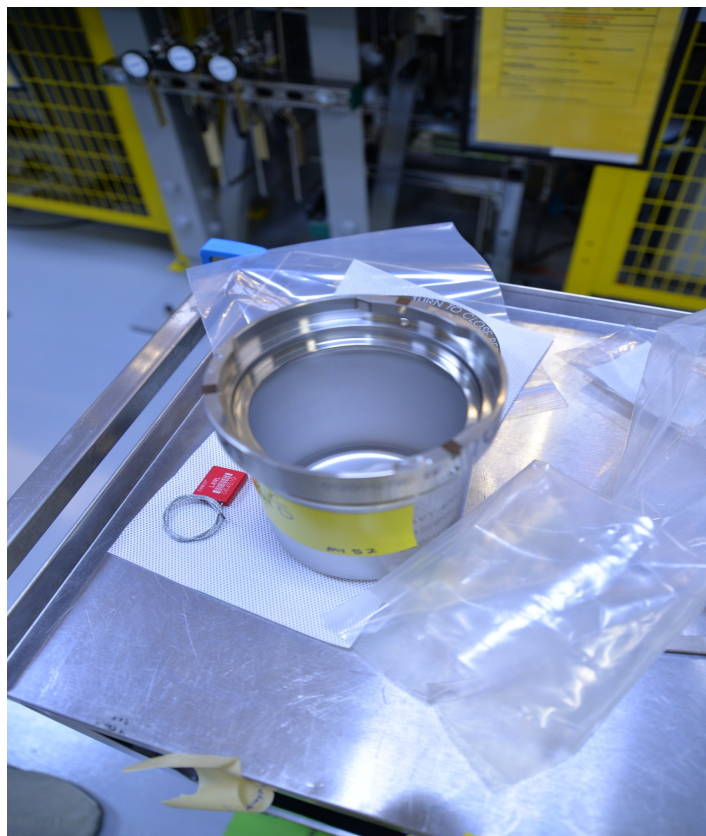


Above: Final wrapping of metal pieces into Ta foil. Note that all pieces are wrapped in one piece of foil.

Below: Placing Swageloks in to a double bagged configuration, and then place into a 1 QT SAVY



Final outer configuration



Above: SAVY prior to loading. TID: 064819

Below two images: Loaded SAVY with TID applied. SAVY lid and bottom have matching numbers, with ID 012001279B.

